# DRAFT RESOURCE MANAGEMENT GUIDE

Yellowwood State Forest Compartment 7 Tract 3
Total Tract acreage: 47 acres Commercial Acres: 0 Date: 9/03/08

Forester: L. Burgess

#### Location

Located in section 18 Township 9N, Range 2E of Brown County. The tract is located off Yellowwood Lake Road and is adjacent to both state forest and private property.

# History

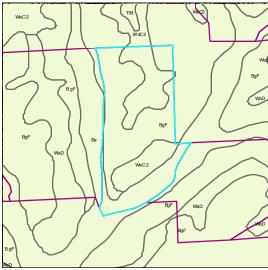
July 1975 TSI by CETA forester (43 acres)

Dec. 1986 Timber inventory, management plan (L. Eckart)

1988 Entire tract acreage deducted from commercial acreage due to poor access

# Topography, Geology and Hydrology

The tract is comprised primarily west and south facing slopes, average steepness of 25%. A small portion is located on ridgetop and in bottomland. The western and southern sections of tract drain into mapped intermittent streams within the North Fork Salt Creek-Jackson Creek watershed.



#### Soils

Berks-Trevlac-Wellston complex ( $\mathbf{BgF}$ ) 20 – 70 percent slope. Severe limitations noted for logging due to slope. Comprises 48% of tract acreage.

Wellston-Gilpin silt loam (WeC2) 6-20 percent slope. Slight to moderate limitations. Comprises 32% of tract acreage.

Beanblossom channery silt loam (**Be**) Nearly level and gently sloping. Slight limitations; moderate flood risk. Comprises 20% of tract acreage, and located on in the bottoms.

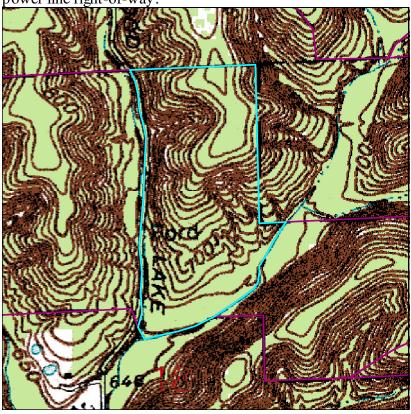
#### Access

Good access by foot off Yellowwood Lake Road. Vehicle access is limited due to Jackson Creek running along most of the western border as well as steepness of slope into tract off Yellowwood Lake Rd. The tract was deducted from commercial access acreage due to poor access.

# Boundary

Tract is adjacent to state forest acreage to the west and a portion of southeast section. The remaining portions border private property. The southwest portion contains part of a

power line right-of-way.



## Wildlife

Wildlife resources in this tract are abundant. Common species which are present include: Squirrels, white tailed deer, turkey, various small furbearing animals, and a variety of songbirds. An official wildlife review was completed on the tract. This review focuses on wildlife habitat, looking at what is present in the tract and what can be created through management activities. The inventory for this tract included recording structural habitat features at each data point; these records include snag (dead, standing tree) and cavity tree counts. The results of this collected data for snag counts are included in the bat guidelines form for this tract.

Legacy trees*	Maintenance level Inventory		Available above	
			Maintenance	
11" + DBH	423	446	23	
20" + DBH	141	96	-45	

\*Species include American elm, Bitternut hickory, Cottonwood, Green ash, Red oak, Post oak, Red elm, Shagbark hickory, Shellbark hickory, Silver maple, Sugar maple, White ash and White oak

Snags (all species)	Maintena nce level	Optimal level	Inventory	Available abo ve Maintenance	Available above Optimal
5" + DBH	188	329	212	24	-117
9" + DBH	1141	282	113	-28	-169

19" + DBH	23.5	47	22	-2	-25

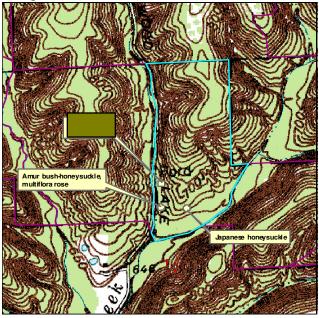
Cavity trees (all species)	Maintenance le vel	Optimal level	Inventory	Available above Maintenance	Available abo ve Optimal
7" + DBH	188	282	39	-149	-243
11" + DBH	141	188	39	-102	-149
19" + DBH	23.5	47	27	3	-20

# **Communities**

A Heritage database review was submitted for this tract. No RTE or species of special concern were noted within tract on the review. Timber rattlesnake, bobcat, yellowwood trees, trailing arbutus, worm-eating warbler, dry-mesic upland forest, mesic upland forest were noted within the Heritage database review in nearby acreage.

## **Invasives/Exotics**

Japanese honey suckle, Amur bush-honey suckle, multiflora rose noted within the tract along the central skid trail.



# Recreation

This tract is used for hunting.

## Cultural

Cultural resources may be present on the tract but their location is protected. Adverse impacts to significant cultural resources will be avoided during any management or construction projects.

# Tract Prescription and Proposed Activities

The tract was inventoried in three stands: Hardwood (29 ac.)

Pine (14 ac.) Open (4 ac.).

The hardwood component is comprised of mixed oak, beech/maple and mixed upland species. Species tallied for harvest were BLO, SCO, WHO and YEP (in descending order by volume). The overall health of the tract is fair – some nice quality stems, including several nice WHO in central portion of tract, some nice BLO and 25" BLC with over four logs. Several trees which would typically be tallied as harvest trees were instead tallied as leave due to position on slope combined with proximity to the road, as well as some in close proximity to private property.

The pine acreage contains White pine and Virginia pine; the White pine include some nice large sawtimber stems but the Virginia pine are pole size stems slowly falling out of the stand.

The open acreage is the utility right-of-way.

## Hardwood Acreage:

	Volume Est.	<b>Basal Area</b>
Harvest	1,660 bd.ft./acre	13
Leave	3,820 bd.ft./acre	75
Total	5,480 bd.ft./acre.	88

The inventory was based on 1 point of data collected for every per 2 acres within the tract.

No harvest is planned during this cutting cycle due to poor access and lack of justification to create good access for the current needs of the tract. TSI be scheduled to treat the non-native invasive noted within the tract.

## **Proposed Activities Listing**

Efforts to control invasive exotics noted/discovered with emphasis on those most aggressive such as the bush-honesuckle.

Capping of the open well

Stand Re-inventory work 2028

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You **must** indicate State Forest Name, Compartment Number and Tract Number in the "Subject or file reference" line to ensure that your comment receives appropriate consideration. Comments received within 30 days of posting will be considered.